

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference E053870 - DG	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/IT 03/00660	International filing date (day/month/year) 24/10/2003	(Earliest) Priority Date (day/month/year)
Applicant ISTITUTO CLINICO HUMANITAS		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00660

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61B5/11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B A63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LOMBARDI R; BUIZZA A; GANDOLFI R; VIGNARELLI C; GUAITA A; PANELLA L: "Measurement on Tinetti test: instrumentation and procedures" TECHNOLOGY AND HEALTH CARE: OFFICIAL JOURNAL OF THE EUROPEAN SOCIETY FOR ENGINEERING AND MEDICINE, vol. 9, no. 5, 2001, pages 403-415, XP008030897 Netherlands ISSN: 0928-7329 the whole document page 404, last paragraph - page 406, last paragraph; figures 1,2 page 414, paragraph 4 page 407, paragraph 3 ----- -/--	1-3,7-24

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

1 June 2004

Date of mailing of the international search report

24 AUG 2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Neef, T

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PANELLA L., LOMBARPANELLA LORENZO; LOMBARDI REMO; BUIZZA ANGELO; GANDOLFI ROBERTO; PIZZAGALLI PAOLA: "Towards objective quantification of the Tinetti test" FUNCTIONAL NEUROLOGY, vol. 17, no. 1, January 2001 (2001-01), - March 2001 (2001-03) pages 25-30, XP008030896 Italy ISSN: 0939-5264 the whole document page 26, left-hand column, paragraph 2 - page 27, right-hand column, paragraph 1; figure 1	1-3,7-24
A	GB 2 357 848 A (SMS TECHNOLOGIES LTD) 4 July 2001 (2001-07-04) page 2, line 10 - page 3, line 2; figures 4-6 page 4, line 8 - line 23 page 6, line 11 - page 10, line 2	1,3,7-9, 17-20, 22-24
A	EP 1 195 139 A (ECOLE POLYTECH) 10 April 2002 (2002-04-10) page 2, line 1 - line 55 page 3, line 30 - line 42 page 7, line 11 - page 9, line 35 page 4, line 28 - line 34 figures 1,8,9	1,3,7, 10,15, 17-24
A	US 2002/170193 A1 (ARMS STEVEN W ET AL) 21 November 2002 (2002-11-21) page 1, paragraph 5 - paragraph 9 page 5, paragraph 58 - page 6, paragraph 74 page 7, paragraph 78 - paragraph 86 figures 2-4,6,7	1,3,7, 10-15, 17-24
A	WO 02/064032 A (SIEMENS MEDICAL SOLUTIONS USA) 22 August 2002 (2002-08-22) page 4, line 18 - line 28 page 6, line 1 - line 17; figures 1,2	3,7,18, 22
A	US 2002/055691 A1 (TASCH URI ET AL) 9 May 2002 (2002-05-09) page 4, paragraph 37; figure 1	2,16,20, 21
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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 919 149 A (ALLUM JOHN H) 6 July 1999 (1999-07-06)</p> <p>column 3, line 55 - column 4, line 17; figure 2 column 6, line 14 - column 7, line 20 column 9, line 19 - column 10, line 61 column 14, line 47 - line 60 -----</p>	<p>1,3,7, 10,11, 18,20, 22,24</p>

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IT 03/00660

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-3, 7-19, 20-24

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3,7-19,20-24

Motor function test system with arm rest endowed with sensor

2. claims: 4,5, 7-19

Motor function test system with optical detectors at start
and end of an established route the subject encounters

3. claims: 6,7-19

Motor function test system with wireless transmission of
signals from the sensors to the data processor

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 03/00660

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2357848	A	04-07-2001	NONE	
EP 1195139	A	10-04-2002	EP 1195139 A1	10-04-2002
			AU 8946601 A	15-04-2002
			WO 0228282 A1	11-04-2002
			EP 1322227 A1	02-07-2003
			US 2004015103 A1	22-01-2004
US 2002170193	A1	21-11-2002	NONE	
WO 02064032	A	22-08-2002	EP 1359842 A2	12-11-2003
			JP 2004518483 T	24-06-2004
			WO 02064032 A2	22-08-2002
			US 2002115914 A1	22-08-2002
US 2002055691	A1	09-05-2002	AU 6511701 A	11-12-2001
			CA 2410533 A1	06-12-2001
			EP 1284649 A2	26-02-2003
			JP 2004513613 T	13-05-2004
			WO 0191640 A1	06-12-2001
			US 2004158174 A1	12-08-2004
US 5919149	A	06-07-1999	NONE	